Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P1045896

Luminaire Tested: **FFX-CLB-80-740-U-VM9-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045896
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-740-U-VM9-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9001.7 lumens
Efficiency:	N/A
Efficacy:	110.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

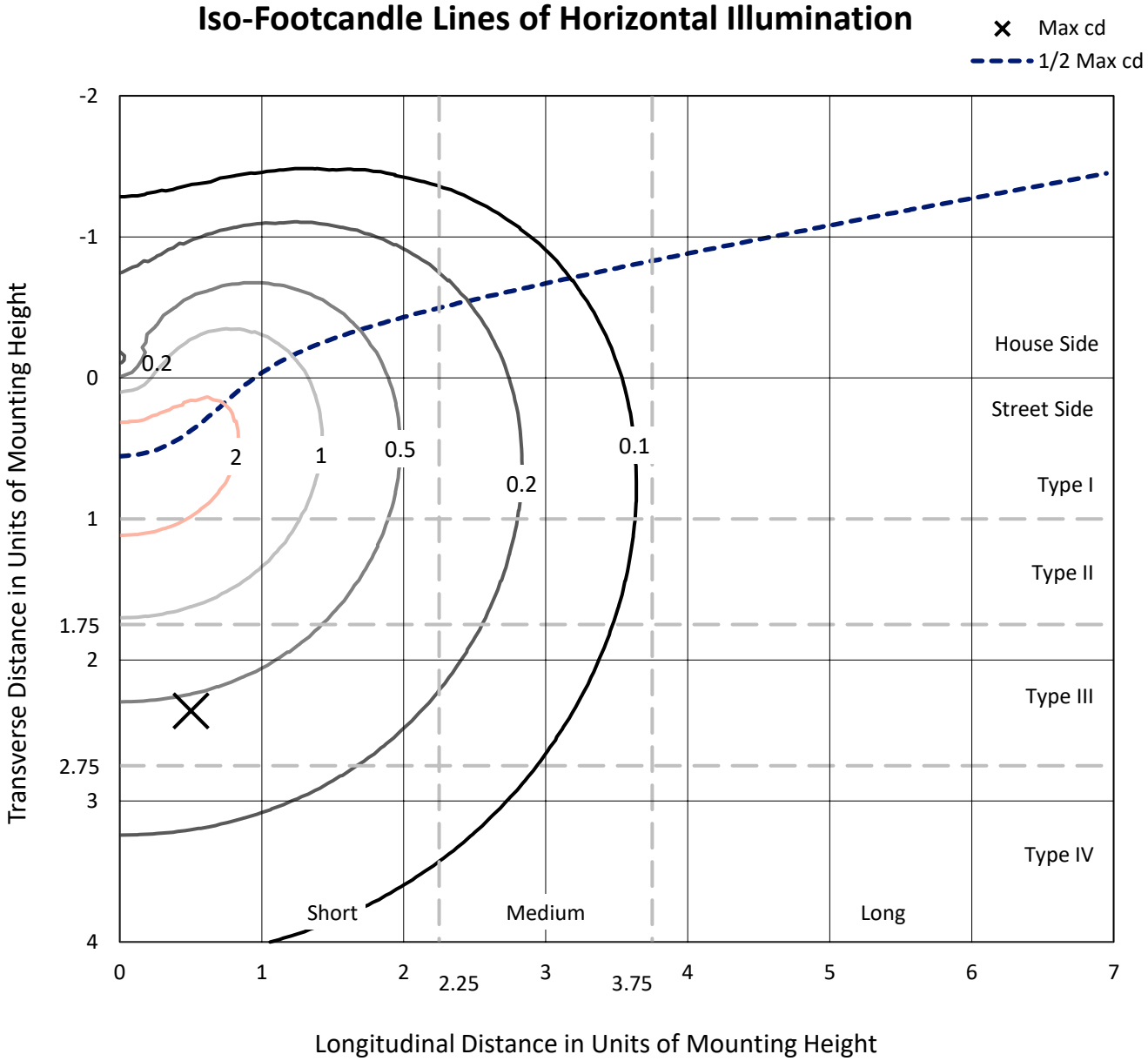


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Iso-Footcandle Lines of Horizontal Illumination



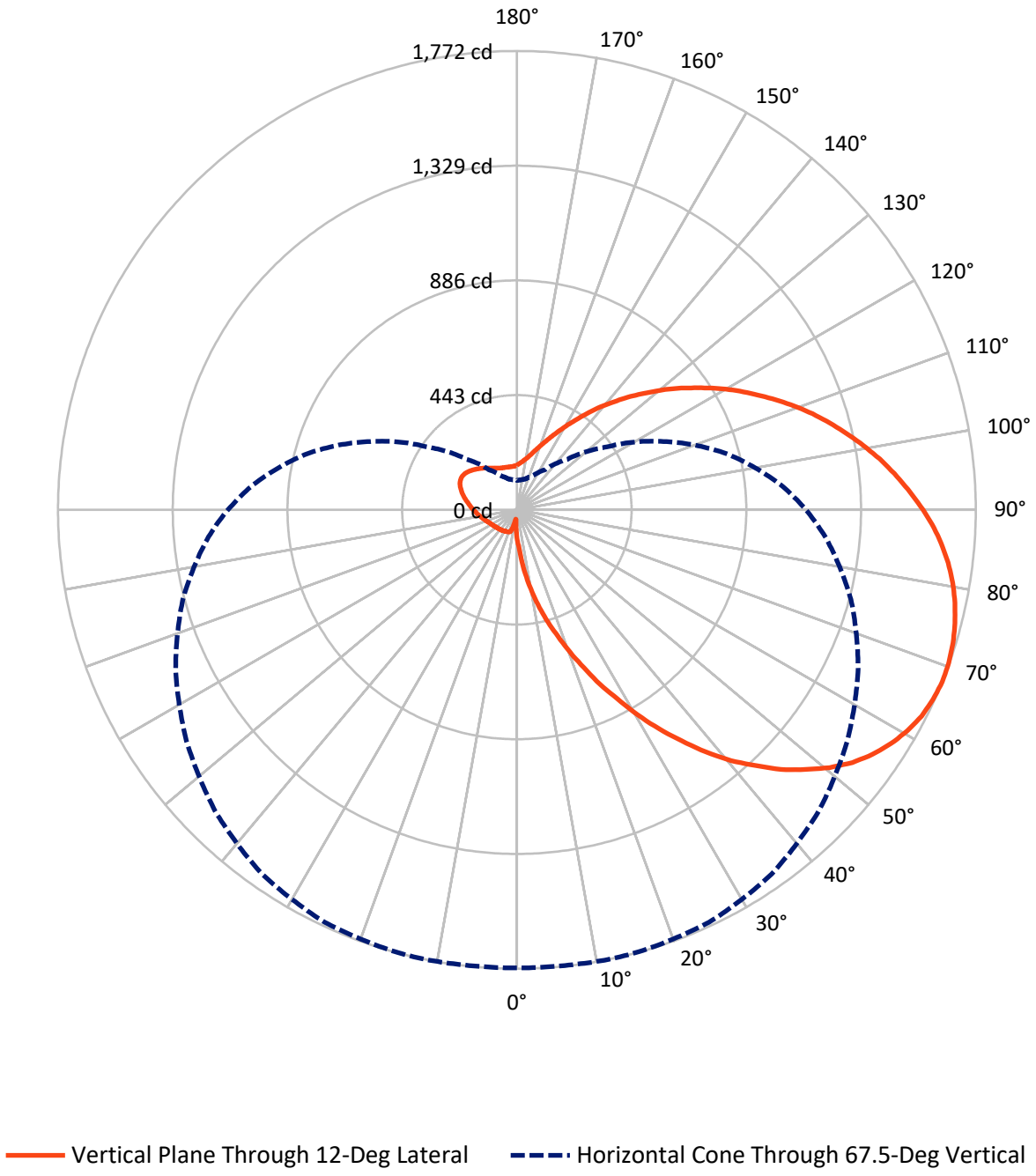
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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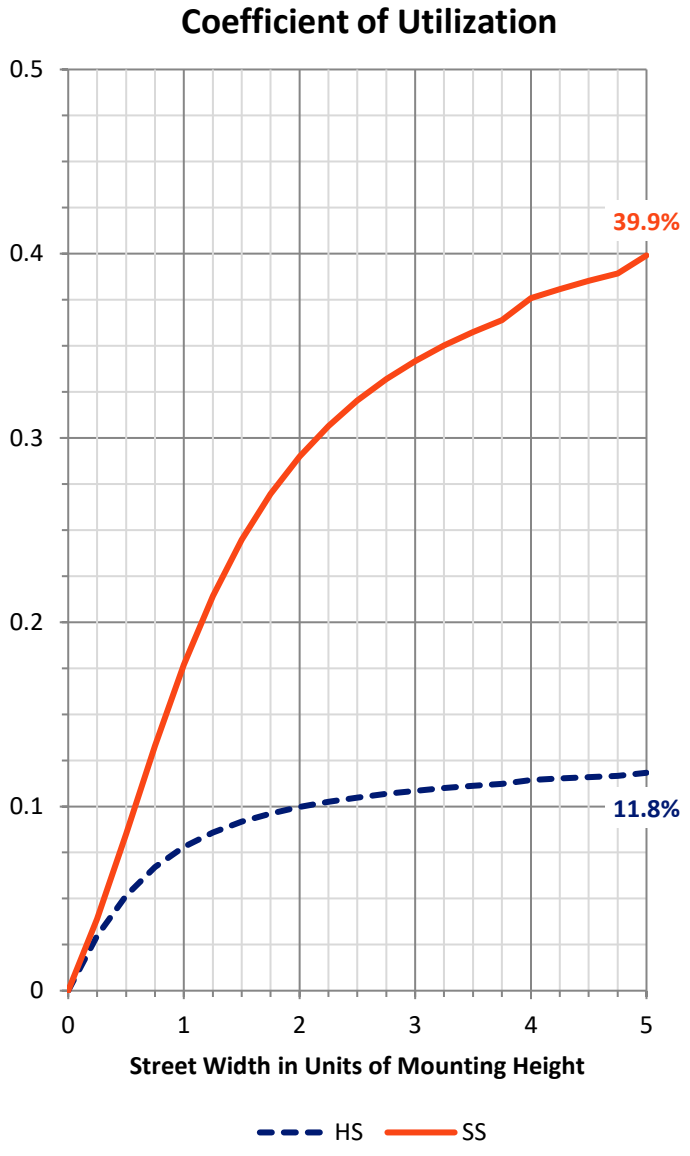
REPORT NUMBER: P1045896
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1158.4	1121.2	2279.6
	% Fixture	12.9	12.5	25.3
Street Side	Lumens	4095.8	2626.3	6722.1
	% Fixture	45.5	29.2	74.7
Total	Lumens	5254.2	3747.5	9001.7
	% Fixture	58.4	41.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	80.1	0.9
20°-30°	208.9	2.3
30°-40°	405.4	4.5
40°-50°	636.7	7.1
50°-60°	845.0	9.4
60°-70°	984.8	10.9
70°-80°	1046.3	11.6
80°-90°	1033.0	11.5
90°-100°	952.5	10.6
100°-110°	831.2	9.2
110°-120°	683.4	7.6
120°-130°	517.4	5.7
130°-140°	353.4	3.9
140°-150°	216.6	2.4
150°-160°	118.8	1.3
160°-170°	57.3	0.6
170°-180°	16.9	0.2
0°-90°	5254.2	58.4
0°-180°	9001.7	100.0



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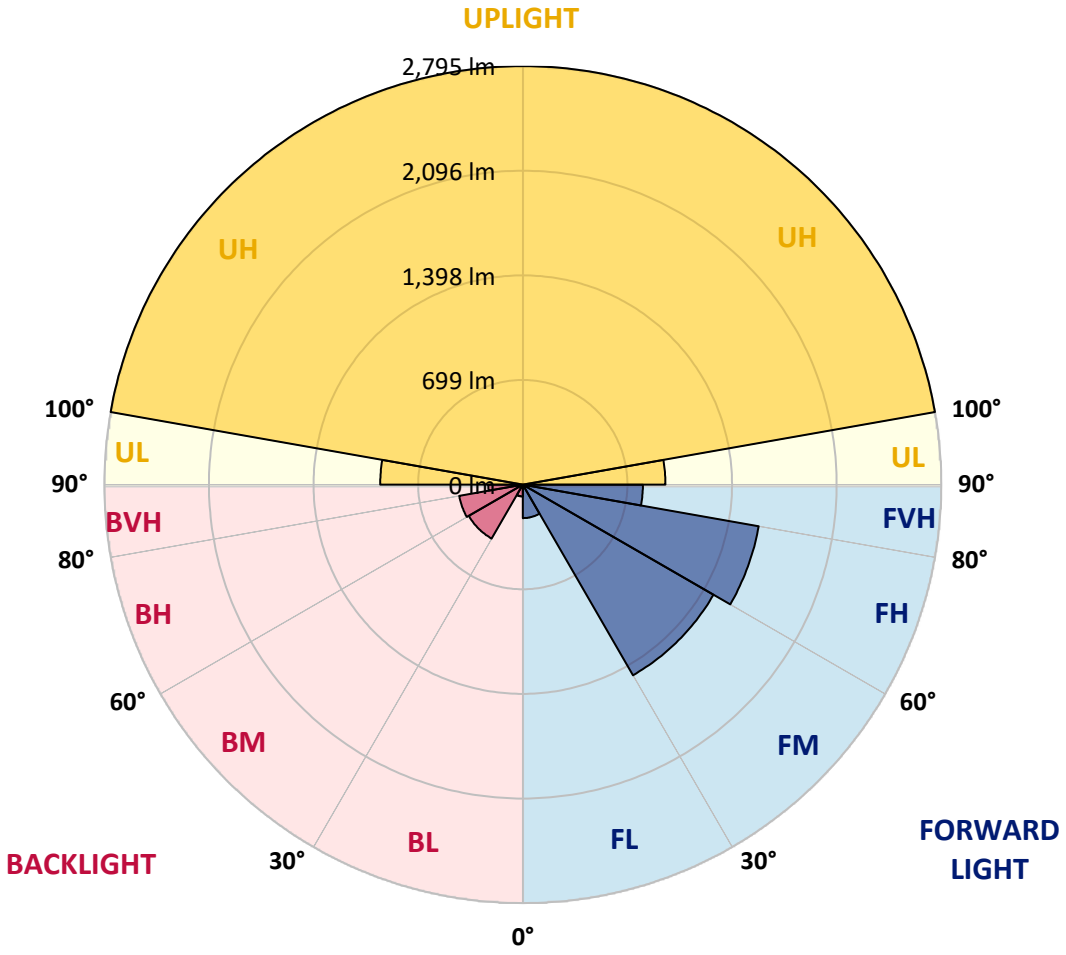
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	223.7	2.5			
FM	(30°-60°)	1470.6	16.3			
FH	(60°-80°)	1599.6	17.8			G1/1800
FVH	(80°-90°)	801.8	8.9			G5
BL	(0°-30°)	79.3	0.9	B0/110		
BM	(30°-60°)	416.5	4.6	B1/1000		
BH	(60°-80°)	431.4	4.8	B1/500		G1/500
BVH	(80°-90°)	231.2	2.6			G3/500
UL	(90°-100°)	952.5	10.6		U4/1000	
UH	(100°-180°)	2795.1	31.1		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
0°	113.9	113.9	*113.9*	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	142.6	145.6	*142.6*	146.6	144.6	144.6	139.6	134.7	127.7	119.8	112.9
5°	202.0	201.0	*197.1*	201.0	197.1	192.1	184.2	171.3	158.4	146.6	131.7
7.5°	263.4	264.4	*261.4*	260.4	251.5	244.6	231.7	218.9	203.0	185.2	167.4
10°	329.8	327.8	*322.8*	323.8	313.9	300.1	285.2	270.3	252.5	231.7	208.9
12.5°	391.2	391.2	*387.2*	388.2	377.3	361.5	349.6	329.8	308.0	283.2	255.5
15°	456.5	452.6	*450.6*	450.6	439.7	425.8	412.9	391.2	365.4	337.7	306.0
17.5°	516.9	515.9	*514.0*	514.9	505.0	493.2	472.4	450.6	419.9	386.2	353.5
20°	594.2	590.2	*587.2*	582.3	576.3	560.5	540.7	512.0	481.3	444.6	401.1
22.5°	664.5	669.4	*661.5*	657.5	649.6	636.8	608.0	580.3	543.7	501.1	453.5
25°	745.7	749.6	*746.7*	741.7	730.8	713.0	686.3	655.6	612.0	563.5	507.0
27.5°	830.8	833.8	*825.9*	827.9	809.1	792.2	765.5	727.9	686.3	628.8	569.4
30°	915.0	921.0	*918.0*	911.1	895.2	880.4	848.7	809.1	761.5	698.1	629.8
32.5°	1014.0	1007.1	*1008.1*	1000.2	990.3	966.5	938.8	894.2	838.8	771.4	693.2
35°	1106.1	1103.2	*1095.3*	1099.2	1082.4	1060.6	1025.9	978.4	918.0	843.7	757.6
37.5°	1188.3	1191.3	*1186.4*	1183.4	1172.5	1147.7	1107.1	1058.6	989.3	911.1	817.0
40°	1272.5	1274.5	*1273.5*	1273.5	1258.6	1230.9	1189.3	1134.9	1063.6	979.4	877.4
42.5°	1352.7	1354.7	*1349.8*	1350.7	1338.9	1310.1	1265.6	1208.1	1128.9	1040.8	929.9
45°	1430.0	1430.0	*1430.0*	1429.0	1412.1	1385.4	1339.9	1274.5	1195.3	1095.3	978.4
47.5°	1501.3	1499.3	*1498.3*	1498.3	1487.4	1455.7	1407.2	1335.9	1249.7	1144.8	1025.9
50°	1564.6	1565.6	*1564.6*	1562.7	1545.8	1520.1	1465.6	1391.3	1300.2	1192.3	1065.5
52.5°	1619.1	1620.1	*1621.1*	1616.1	1605.2	1574.5	1514.1	1434.9	1342.8	1229.9	1098.2
55°	1662.7	1664.7	*1666.6*	1664.7	1653.8	1617.1	1556.7	1476.5	1377.5	1261.6	1126.9
57.5°	1703.3	1702.3	*1703.3*	1701.3	1689.4	1653.8	1591.4	1505.2	1405.2	1287.4	1148.7
60°	1731.0	1732.0	*1732.0*	1732.0	1718.1	1681.5	1615.1	1527.0	1425.0	1307.2	1167.5
62.5°	1749.8	1750.8	*1753.8*	1751.8	1738.9	1700.3	1632.0	1542.9	1439.9	1320.0	1180.4
65°	1762.7	1763.7	*1765.7*	1763.7	1751.8	1712.2	1642.9	1552.8	1449.8	1329.9	1189.3
67.5°	*1768.6*	*1768.6*	*1771.6*	*1770.6*	*1756.8*	*1716.2*	*1646.8*	*1556.7*	*1453.7*	*1334.9*	*1195.3*
70°	1765.7	1766.7	*1768.6*	1767.7	1753.8	1713.2	1643.9	1554.7	1452.7	1334.9	1196.3
72.5°	1758.7	1758.7	*1760.7*	1758.7	1745.9	1705.3	1636.9	1548.8	1447.8	1332.9	1195.3
75°	1744.9	1745.9	*1746.9*	1745.9	1732.0	1692.4	1625.1	1537.9	1439.9	1326.0	1191.3
77.5°	1728.0	1729.0	*1729.0*	1729.0	1714.2	1674.6	1609.2	1524.0	1429.0	1318.1	1184.4
80°	1703.3	1704.3	*1706.3*	1704.3	1689.4	1653.8	1588.4	1507.2	1415.1	1305.2	1175.5
82.5°	1675.6	1674.6	*1677.5*	1676.5	1661.7	1626.0	1561.7	1484.4	1394.3	1290.3	1162.6
85°	1640.9	1640.9	*1642.9*	1640.9	1628.0	1590.4	1530.0	1456.7	1370.5	1268.6	1146.7
87.5°	1602.3	1602.3	*1604.3*	1600.3	1585.4	1552.8	1495.3	1424.0	1344.8	1246.8	1128.9
90°	1556.7	1558.7	*1558.7*	1555.7	1540.9	1509.2	1456.7	1388.4	1311.1	1220.0	1108.1
92.5°	1513.1	1513.1	*1511.2*	1511.2	1495.3	1463.6	1415.1	1352.7	1280.4	1193.3	1085.3
95°	1466.6	1466.6	*1463.6*	1461.7	1445.8	1419.1	1372.5	1315.1	1245.8	1165.6	1062.6
97.5°	1417.1	1416.1	*1414.1*	1412.1	1396.3	1370.5	1329.0	1273.5	1210.1	1133.9	1037.8
100°	1366.6	1367.6	*1360.6*	1359.7	1343.8	1322.0	1282.4	1230.9	1172.5	1101.2	1011.1
102.5°	1311.1	1313.1	*1307.2*	1306.2	1290.3	1266.6	1234.9	1188.3	1135.9	1070.5	984.3
105°	1261.6	1256.7	*1253.7*	1251.7	1237.9	1216.1	1182.4	1145.8	1096.2	1034.8	954.6
107.5°	1205.2	1206.2	*1200.2*	1196.3	1182.4	1164.6	1134.9	1101.2	1057.6	999.2	925.9
110°	1148.7	1146.7	*1143.8*	1141.8	1125.9	1110.1	1084.4	1056.6	1014.0	963.5	895.2

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Scaled Data Report

REPORT NUMBER: P1045896
CATALOG NUMBER: FFX-CLB-80-740-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	12°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	1090.3	1091.3	*1086.3*	1083.4	1072.5	1055.6	1036.8	1010.1	973.4	925.9	861.5
115°	1035.8	1033.9	*1029.9*	1027.9	1016.0	1003.2	984.3	964.5	931.9	886.3	827.9
117.5°	980.4	976.4	*975.4*	972.5	963.5	950.7	935.8	919.0	887.3	847.7	792.2
120°	922.9	922.9	*921.0*	919.0	907.1	896.2	887.3	869.5	842.7	805.1	757.6
122.5°	869.5	868.5	*864.5*	861.5	855.6	845.7	834.8	820.9	797.2	763.5	718.0
125°	811.0	813.0	*810.1*	809.1	799.2	794.2	784.3	775.4	750.6	719.9	679.3
127.5°	762.5	759.5	*759.5*	754.6	749.6	744.7	736.8	724.9	708.1	676.4	638.7
130°	711.0	709.0	*706.1*	706.1	700.1	693.2	688.2	678.3	659.5	633.8	598.1
132.5°	659.5	657.5	*655.6*	652.6	648.6	647.6	642.7	631.8	614.0	591.2	560.5
135°	611.0	610.0	*609.0*	609.0	603.1	600.1	594.2	585.3	573.4	552.6	522.9
137.5°	565.5	562.5	*560.5*	560.5	558.5	553.6	548.6	541.7	528.8	512.0	485.2
140°	517.9	519.9	*519.9*	518.9	514.9	512.0	506.0	500.1	487.2	473.4	450.6
142.5°	478.3	477.3	*475.3*	474.3	472.4	468.4	465.4	458.5	450.6	435.7	415.9
145°	435.7	435.7	*434.7*	435.7	431.8	430.8	426.8	420.9	412.0	399.1	382.2
147.5°	398.1	398.1	*397.1*	398.1	395.1	392.2	389.2	385.2	377.3	367.4	352.5
150°	363.4	364.4	*362.4*	362.4	361.5	358.5	356.5	350.6	344.6	336.7	323.8
152.5°	331.7	332.7	*331.7*	330.8	329.8	327.8	324.8	320.9	314.9	308.0	297.1
155°	305.0	304.0	*304.0*	304.0	303.0	300.1	300.1	294.1	288.2	283.2	272.3
157.5°	279.3	279.3	*279.3*	279.3	277.3	276.3	274.3	269.4	266.4	259.5	251.5
160°	258.5	257.5	*257.5*	257.5	255.5	254.5	251.5	249.6	245.6	239.6	233.7
162.5°	237.7	238.7	*238.7*	238.7	236.7	235.7	233.7	231.7	228.8	222.8	218.9
165°	221.8	221.8	*221.8*	220.8	219.8	219.8	216.9	215.9	212.9	208.9	206.0
167.5°	208.9	208.9	*208.0*	208.9	207.0	205.0	204.0	202.0	200.0	198.1	195.1
170°	198.1	198.1	*198.1*	198.1	197.1	196.1	194.1	193.1	191.1	189.1	186.2
172.5°	189.1	189.1	*189.1*	189.1	188.2	187.2	185.2	184.2	183.2	181.2	179.2
175°	182.2	182.2	*182.2*	182.2	181.2	180.2	178.3	178.3	177.3	176.3	174.3
177.5°	177.3	177.3	*176.3*	176.3	175.3	174.3	174.3	173.3	173.3	172.3	171.3
180°	171.3	171.3	*171.3*	171.3	171.3	171.3	171.3	171.3	171.3	171.3	171.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	108.9	105.0	98.0	92.1	85.2	80.2	75.3	74.3	74.3	76.3	76.3
5°	125.8	116.9	103.0	90.1	75.3	64.4	54.5	45.6	39.6	36.6	36.6
7.5°	157.5	150.5	129.7	111.9	94.1	77.2	61.4	47.5	37.6	30.7	29.7
10°	198.1	187.2	162.4	139.6	115.9	95.1	76.3	59.4	47.5	41.6	41.6
12.5°	241.6	226.8	197.1	169.3	141.6	114.9	93.1	76.3	64.4	58.4	56.4
15°	288.2	271.3	235.7	200.0	166.4	137.6	112.9	92.1	80.2	74.3	73.3
17.5°	331.7	312.9	272.3	229.7	191.1	156.5	126.8	105.0	90.1	83.2	82.2
20°	379.3	354.5	307.0	257.5	211.9	170.3	136.7	110.9	93.1	85.2	84.2
22.5°	427.8	399.1	342.6	285.2	230.7	183.2	143.6	113.9	94.1	85.2	84.2
25°	479.3	447.6	381.3	314.9	251.5	196.1	150.5	116.9	96.1	85.2	84.2
27.5°	533.8	498.1	421.9	346.6	272.3	208.9	157.5	120.8	97.0	86.2	84.2
30°	592.2	551.6	463.5	377.3	292.1	220.8	163.4	122.8	98.0	86.2	85.2
32.5°	650.6	601.1	509.0	407.0	312.9	231.7	169.3	125.8	99.0	87.1	86.2
35°	707.1	658.5	550.6	437.7	332.7	242.6	174.3	127.7	101.0	88.1	86.2
37.5°	764.5	712.0	590.2	466.4	350.6	251.5	178.3	129.7	102.0	89.1	87.1
40°	819.0	757.6	628.8	494.2	365.4	259.5	181.2	130.7	103.0	90.1	88.1
42.5°	870.5	805.1	665.5	517.9	380.3	265.4	184.2	132.7	104.0	91.1	90.1
45°	914.0	846.7	697.2	541.7	391.2	270.3	186.2	133.7	105.0	92.1	91.1
47.5°	956.6	884.3	726.9	560.5	402.1	275.3	187.2	134.7	106.0	94.1	93.1
50°	994.2	918.0	753.6	577.3	410.0	277.3	188.2	135.7	107.9	96.1	95.1
52.5°	1025.9	946.7	774.4	591.2	415.9	279.3	188.2	135.7	108.9	98.0	97.0
55°	1051.7	971.5	793.2	601.1	419.9	280.2	188.2	136.7	110.9	100.0	99.0
57.5°	1073.5	990.3	808.1	610.0	423.8	280.2	188.2	137.6	112.9	102.0	101.0
60°	1089.3	1006.1	819.0	616.0	424.8	279.3	188.2	138.6	114.9	105.0	104.0
62.5°	1102.2	1017.0	827.9	619.9	424.8	277.3	188.2	139.6	116.9	107.9	107.0
65°	1111.1	1024.9	833.8	621.9	423.8	276.3	188.2	141.6	119.8	110.9	109.9
67.5°	*1116.0*	*1030.9*	*837.8*	*623.9*	*422.9*	*276.3*	*189.1*	*144.6*	*122.8*	*114.9*	*113.9*
70°	1118.0	1031.9	838.8	622.9	421.9	274.3	190.1	146.6	126.8	118.8	117.8
72.5°	1118.0	1032.9	838.8	622.9	419.9	275.3	191.1	149.5	130.7	122.8	121.8
75°	1115.1	1029.9	837.8	620.9	418.9	274.3	194.1	153.5	134.7	127.7	126.8
77.5°	1109.1	1025.9	834.8	617.9	417.9	275.3	196.1	157.5	139.6	132.7	132.7
80°	1102.2	1020.0	830.8	615.0	416.9	277.3	199.0	162.4	144.6	138.6	137.6
82.5°	1091.3	1011.1	823.9	611.0	414.9	278.3	203.0	167.4	150.5	143.6	143.6
85°	1076.4	998.2	815.0	606.1	412.9	280.2	207.0	171.3	156.5	149.5	149.5
87.5°	1060.6	984.3	804.1	600.1	412.0	282.2	211.9	177.3	161.4	155.5	154.5
90°	1041.8	967.5	793.2	593.2	411.0	285.2	215.9	183.2	168.3	162.4	161.4
92.5°	1022.0	950.7	781.3	588.2	410.0	288.2	221.8	190.1	175.3	169.3	168.3
95°	1002.2	932.8	769.4	581.3	410.0	292.1	227.8	197.1	182.2	176.3	175.3
97.5°	979.4	913.0	755.6	575.4	410.0	297.1	234.7	204.0	189.1	183.2	183.2
100°	955.6	893.2	741.7	569.4	411.0	302.0	241.6	211.9	197.1	191.1	191.1
102.5°	931.9	871.4	728.8	564.5	412.9	309.0	250.5	220.8	206.0	200.0	199.0
105°	906.1	849.7	714.0	557.5	414.9	314.9	258.5	228.8	213.9	208.0	208.0
107.5°	880.4	826.9	699.1	552.6	416.9	320.9	267.4	237.7	222.8	215.9	215.9
110°	851.6	802.1	683.3	546.6	418.9	327.8	274.3	245.6	229.7	223.8	222.8

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1045896
CATALOG NUMBER: FFX-CLB-80-740-U-VM9-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	821.9	777.4	666.5	538.7	419.9	333.7	282.2	253.5	237.7	230.7	229.7
115°	790.2	749.6	647.6	530.8	419.9	338.7	288.2	259.5	243.6	236.7	235.7
117.5°	758.6	719.9	626.8	519.9	418.9	341.6	293.1	263.4	247.6	240.6	239.6
120°	724.9	690.2	606.1	509.0	414.9	342.6	295.1	266.4	249.6	242.6	241.6
122.5°	690.2	658.5	581.3	494.2	409.0	341.6	295.1	266.4	249.6	241.6	240.6
125°	652.6	624.9	555.5	476.3	400.1	337.7	293.1	264.4	247.6	239.6	237.7
127.5°	616.0	591.2	528.8	458.5	389.2	331.7	289.2	260.4	243.6	235.7	234.7
130°	580.3	555.5	501.1	438.7	376.3	323.8	282.2	254.5	238.7	229.7	228.8
132.5°	542.7	519.9	473.4	417.9	361.5	313.9	275.3	248.6	231.7	224.8	222.8
135°	505.0	487.2	444.6	396.1	346.6	303.0	267.4	241.6	225.8	217.9	217.9
137.5°	471.4	453.5	415.9	374.3	330.8	290.2	257.5	233.7	218.9	211.9	210.9
140°	436.7	422.9	389.2	352.5	313.9	278.3	249.6	226.8	212.9	206.0	205.0
142.5°	404.0	390.2	363.4	329.8	297.1	265.4	239.6	218.9	206.0	200.0	199.0
145°	371.4	361.5	335.7	309.0	280.2	252.5	228.8	210.9	200.0	194.1	194.1
147.5°	342.6	333.7	310.9	288.2	263.4	240.6	219.8	204.0	194.1	189.1	188.2
150°	314.9	307.0	288.2	269.4	246.6	227.8	209.9	197.1	188.2	184.2	183.2
152.5°	289.2	283.2	267.4	251.5	232.7	215.9	202.0	191.1	183.2	179.2	179.2
155°	267.4	262.4	248.6	234.7	219.8	206.0	194.1	185.2	179.2	176.3	175.3
157.5°	248.6	242.6	231.7	220.8	208.9	197.1	188.2	180.2	176.3	173.3	173.3
160°	230.7	225.8	216.9	208.9	199.0	190.1	182.2	177.3	173.3	171.3	171.3
162.5°	215.9	211.9	205.0	198.1	191.1	184.2	178.3	174.3	171.3	169.3	169.3
165°	203.0	201.0	195.1	190.1	184.2	179.2	175.3	172.3	170.3	169.3	169.3
167.5°	193.1	191.1	187.2	183.2	179.2	175.3	172.3	170.3	169.3	168.3	168.3
170°	185.2	183.2	181.2	178.3	175.3	172.3	170.3	169.3	168.3	168.3	168.3
172.5°	179.2	177.3	176.3	174.3	172.3	170.3	169.3	168.3	168.3	168.3	168.3
175°	174.3	173.3	172.3	171.3	170.3	169.3	168.3	168.3	168.3	168.3	168.3
177.5°	171.3	170.3	170.3	169.3	169.3	168.3	168.3	169.3	169.3	169.3	170.3
180°	171.3	171.3	171.3	171.3	171.3	171.3	171.3	171.3	171.3	171.3	171.3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-1

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

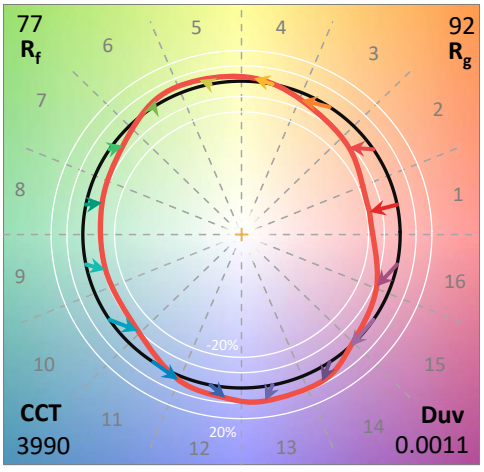
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



Test Conditions

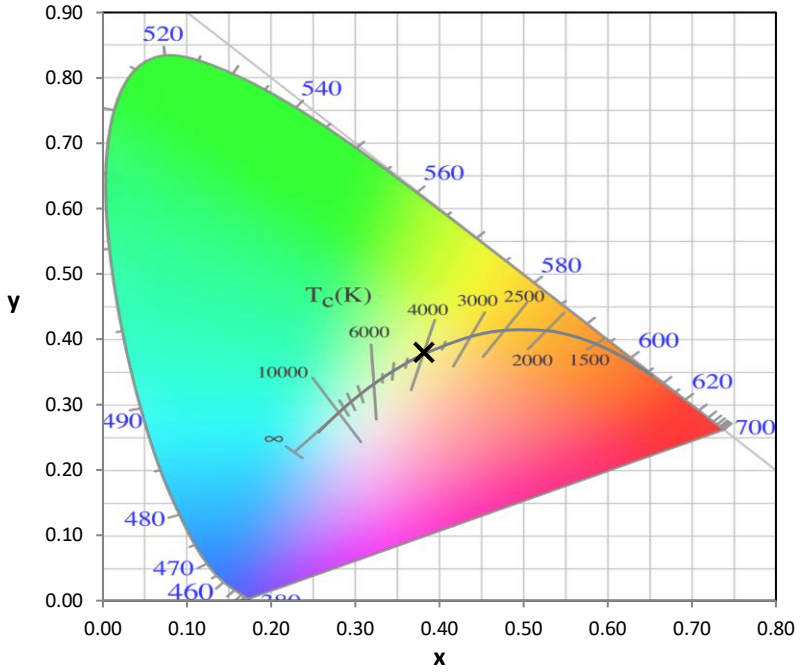
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

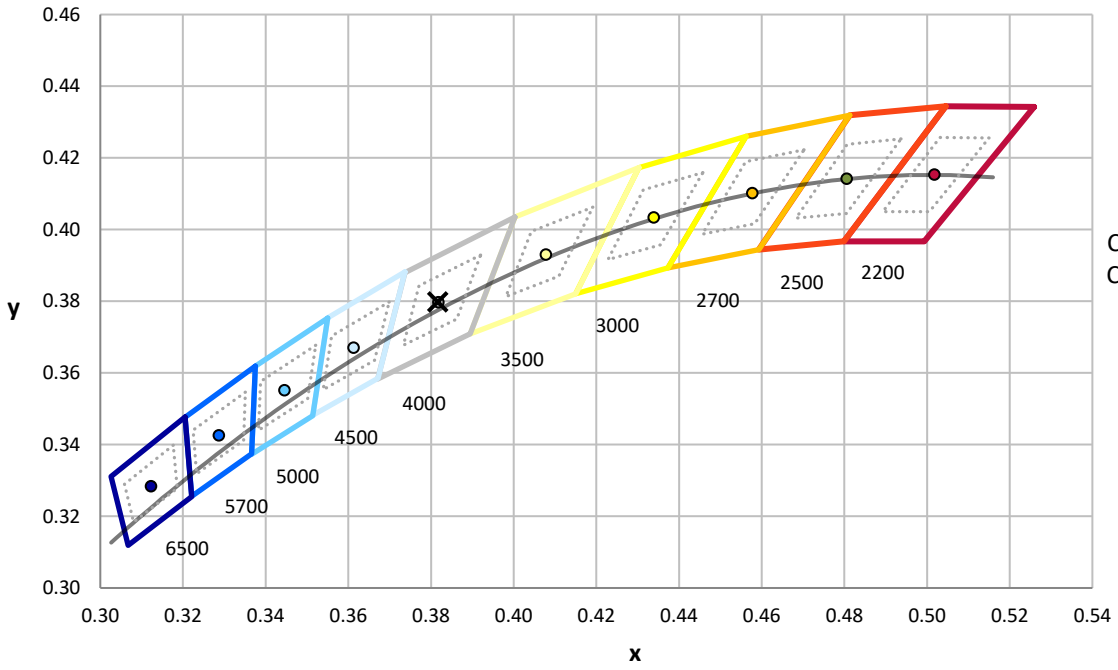
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

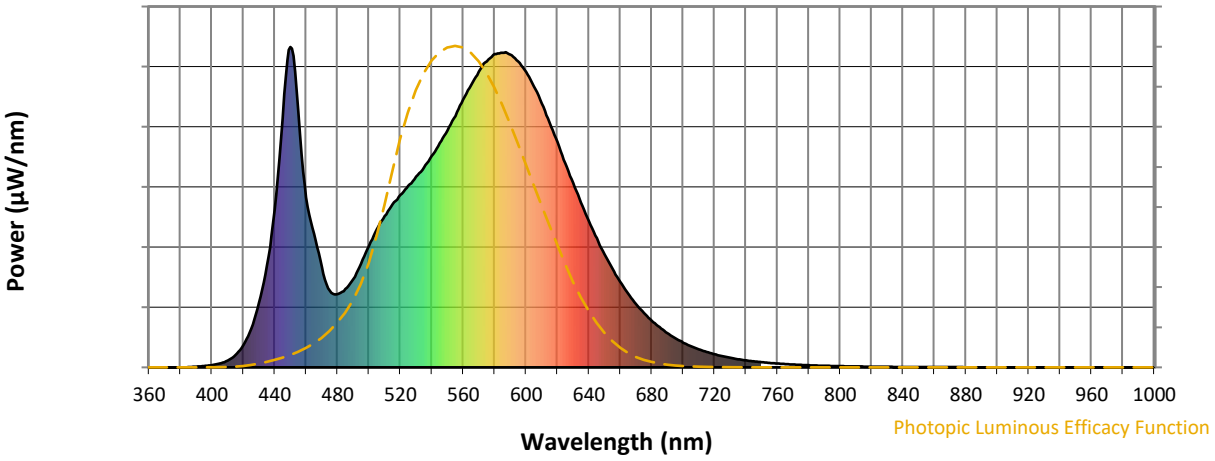


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

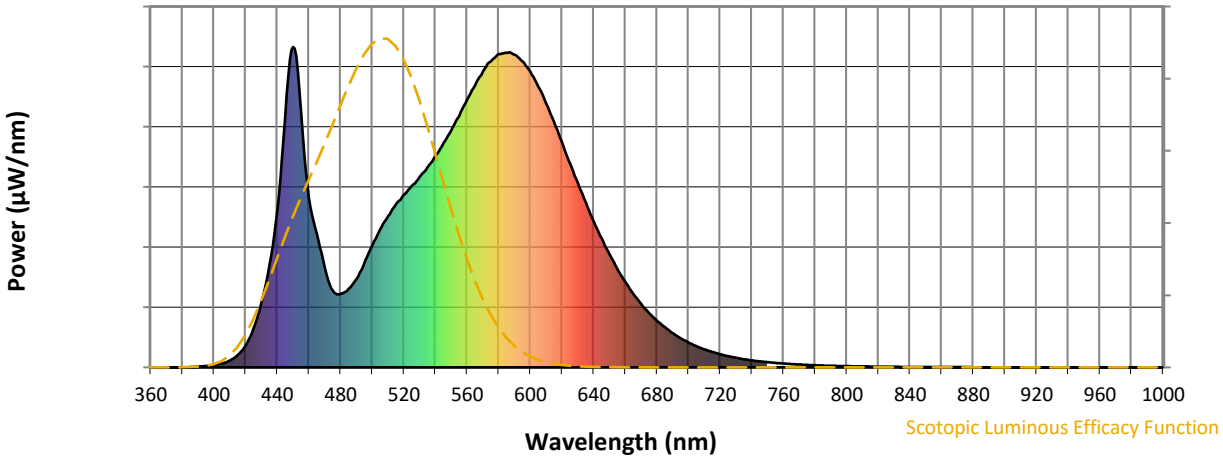


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

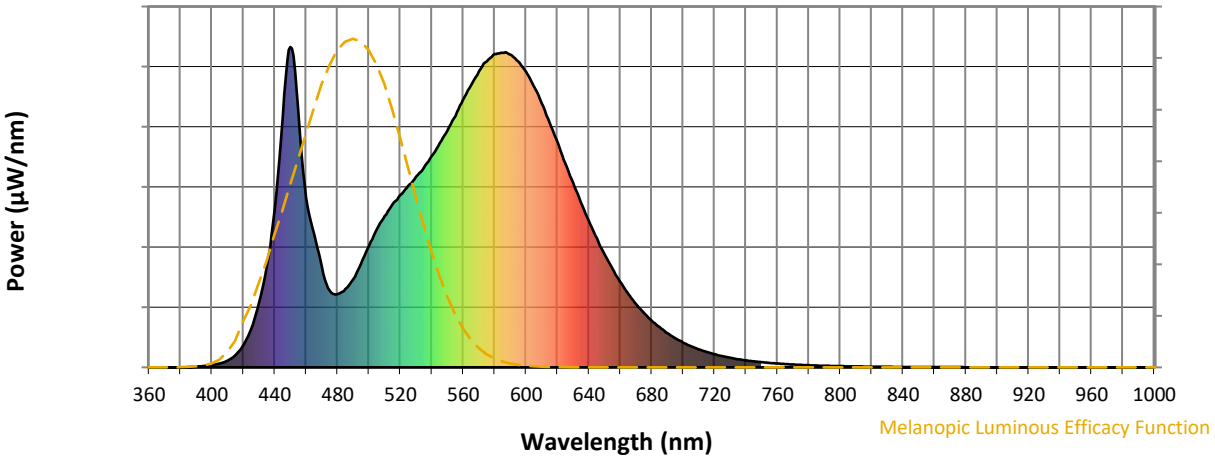


Scotopic Lumens: NR **S/P: 1.59**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

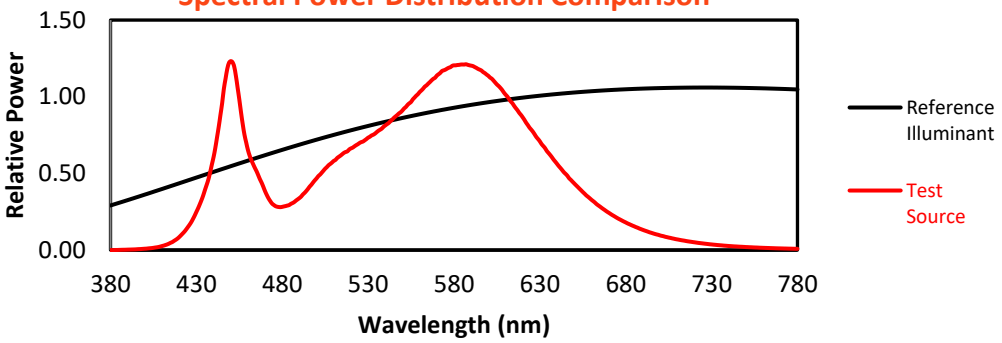
REPORT NUMBER: SP1-2501-332-1

TM-30-18

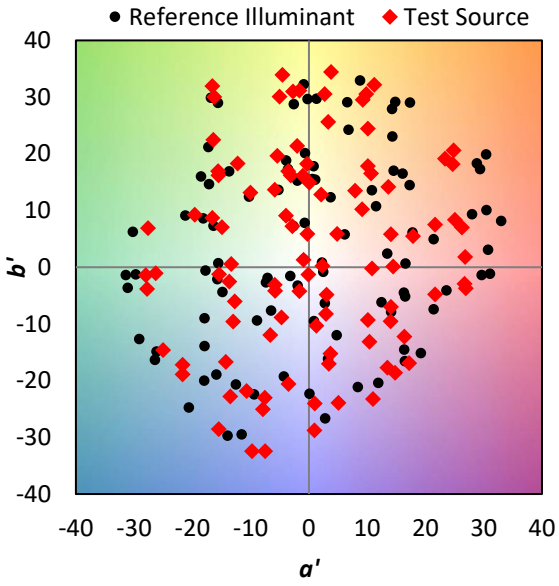
Summary

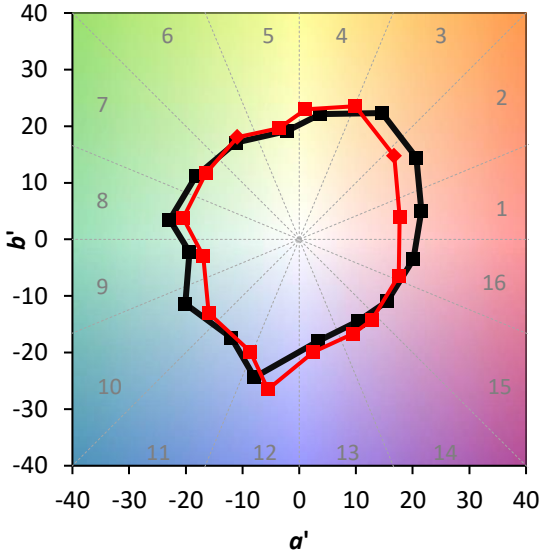
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

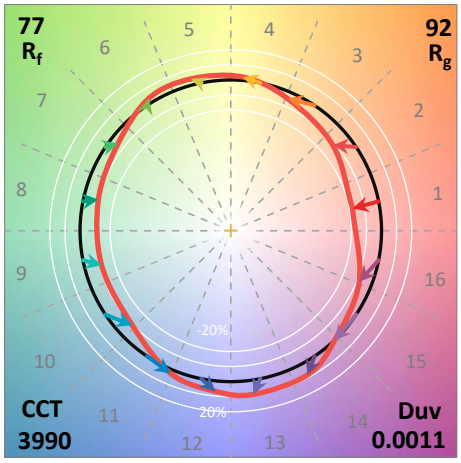
Spectral Power Distribution Comparison

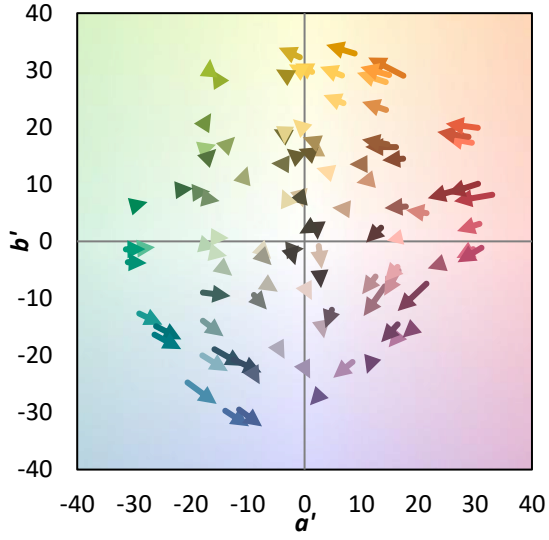


Color Vector Graphics







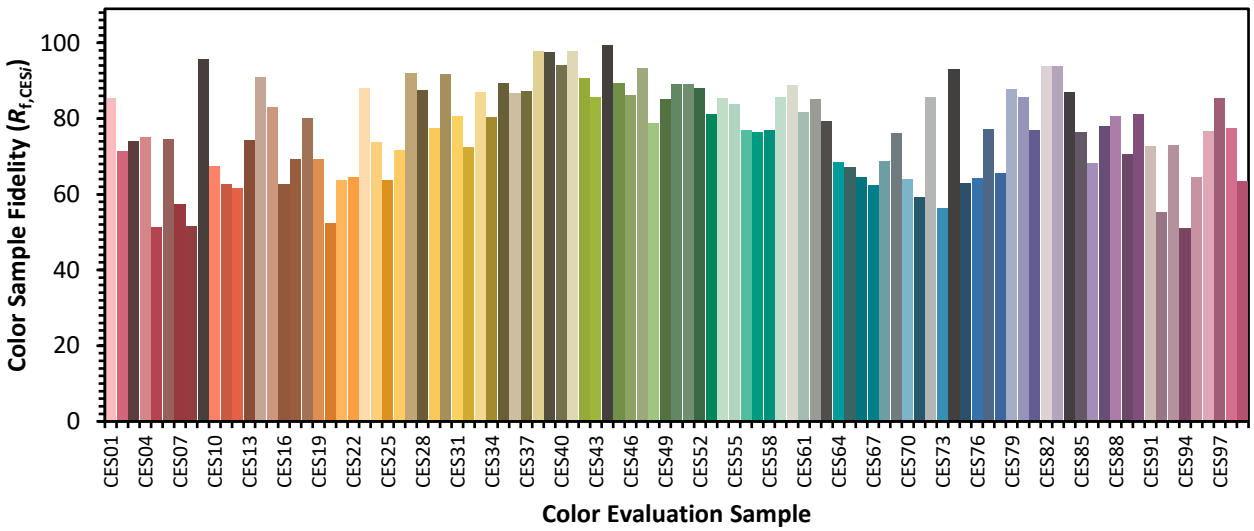


REPORT NUMBER: SP1-2501-332-1

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

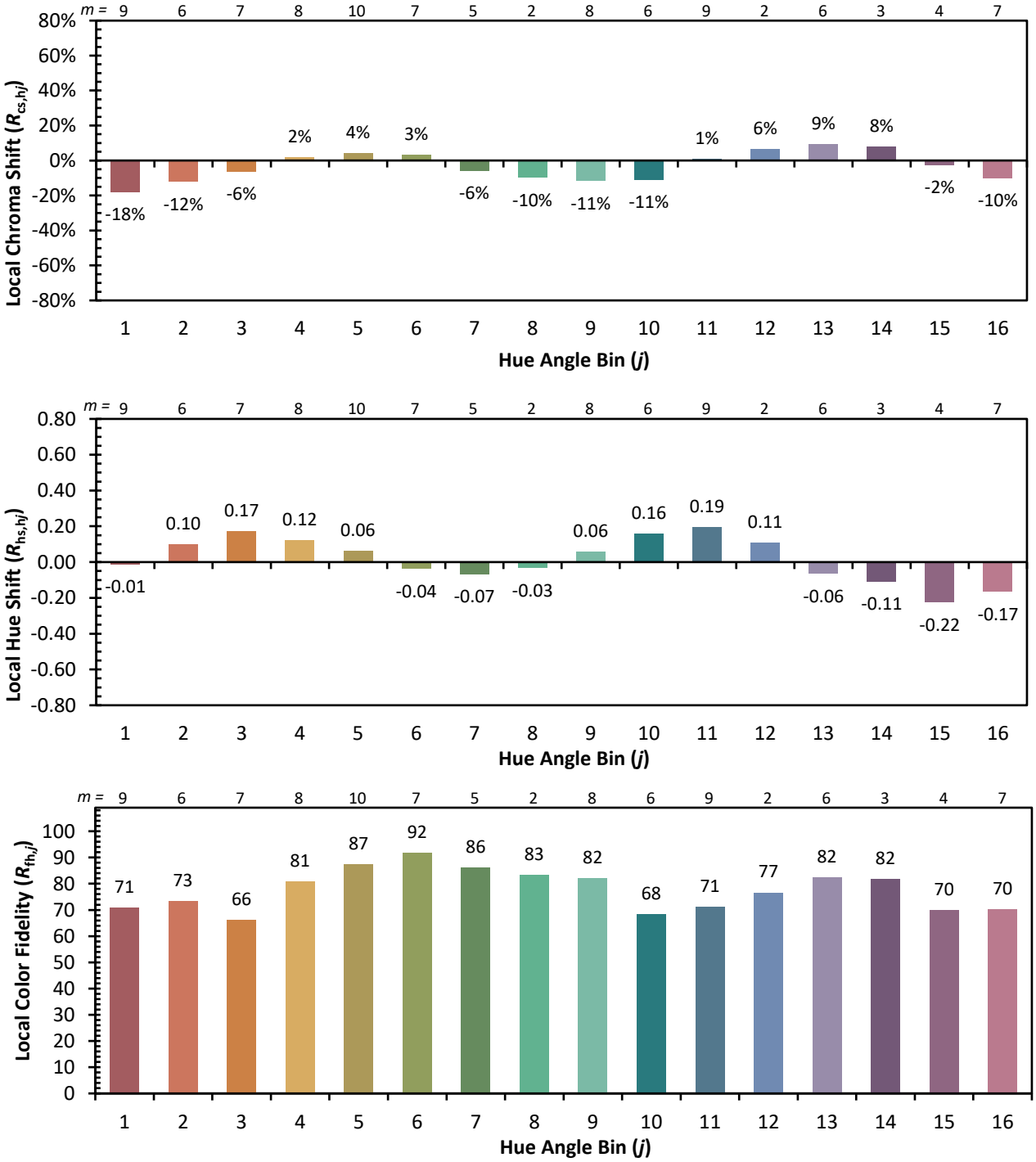
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
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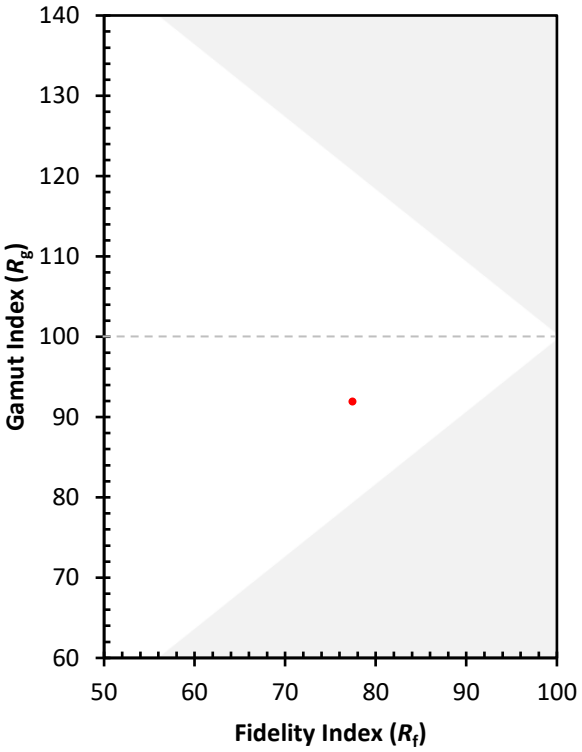
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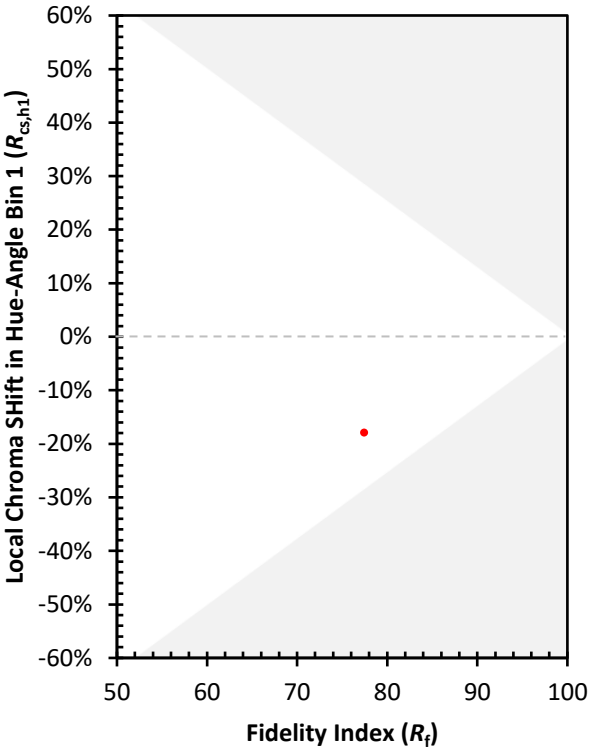


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Measure Comparisons





(END OF REPORT)